

IN THE CLAIMS:

Please amend the claims as follow:

Claim 1 (Currently Amended): A mold for injection molding of a disc comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween;
a conduction member which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space;
a first heat suppressing member for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies is disposed between said conduction member and said first of said pair of mold bodies fitted to said conduction member;
a second heat suppressing member at a position opposing to said first heat suppressing member on a second mold body side of said pair of mold bodies,

wherein the temperature of said conduction member is different from that of said mold bodies.

Claim 2 (Previously Canceled)

Claim 3 (Currently Amended): A mold for injection molding of a disc substrate comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween;₁

~~a~~ conduction means which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space, ~~and~~; ₁

~~a~~ first heat suppressing means for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies disposed between said conduction means and said first of said pair of mold bodies fitted to said conduction means; and

a second heat suppressing means at a position opposing to said first heat suppressing means on a second mold body side of said pair of mold bodies; ₁

wherein the temperature of said conduction means is different from that of said mold bodies.

Claim 4 (Previously Canceled)

Claim 5 (Previously Amended): A mold for injection molding of a disc substrate comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween,

a conduction member which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space, wherein

said mold is provided with a molding space for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies disposed at a portion of a second of said pair of mold bodies opposite said conduction member, and

said molding space has the same volume as said conduction member.

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Claim 6 (Previously Canceled)

Claim 7 (Currently Amended): The ~~A~~ mold according to claim 1, for injection molding of a disc comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween;

a conduction member which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space;

a first heat suppressing member for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies is disposed between said

conduction member and said first of said pair of mold bodies fitted to said conduction member; and

a second heat suppressing member at a position opposing to said first heat suppressing member on a second mold body side of said pair of mold bodies,

wherein said second heat suppressing member is formed by material of a ceramic system having a coefficient of thermal conductivity which is smaller than that of a cutting mechanism and a releasing mechanism of the mold but larger than that of said first heat suppressing member.

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Claim 8 (Currently Amended) The A mold according to claim 3, for injection molding of a disc comprising:

a pair of mold bodies which are disposed in a manner that circular-shaped mold forming surfaces thereof are opposed to each other to form a disc-shaped mold space therebetween;

conduction means which is fitted to a first of said pair of mold bodies so as to communicate with outside through a conduction path for conducting molten molding material injected from outside into said disc-shaped mold space;

first heat suppressing means for suppressing heat within said conduction path from being transmitted to said first of said pair of mold bodies disposed between said conduction means and said first of said pair of mold bodies fitted to said conduction means; and

second heat suppressing means at a position opposing to said first heat suppressing means on a second mold body side of said pair of mold bodies,

C1 wherein said second heat suppressing means is formed by material of a ceramic system having a coefficient of thermal conductivity which is smaller than that of a cutting mechanism and a releasing mechanism of the mold but larger than that of said first heat suppressing means.

Claims 9-10 (Previously Canceled)
